

GENERAL NOTES:

1. SEE SHEET I66 FOR PRECAST CONCRETE GRADE PANEL CROSSING DETAILS. TYPE AND DESIGN OF PRECAST CONCRETE CROSSING PANELS SHALL BE SUBMITTED BY THE CONTRACTOR FOR APPROVAL FROM VAOT AND NEW ENGLAND CENTRAL RAILROAD. MANUFACTURER'S SPECIFICATIONS SHALL BE FOLLOWED FOR THE INSTALLATION OF CONCRETE CROSSING PANELS. THE CONTRACTOR SHALL APPLY A PROTECTIVE SEALER TO ALL EXPOSED CONCRETE SURFACES AFTER THE PRECAST CONCRETE GRADE CROSSING HAS BEEN INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER. PAYMENT WILL BE MADE UNDER ITEM 514.10 WATER REPELLENT, SILANE.
2. THE TYPE AND DESIGN OF COMMERCIAL FLANGWAY MATERIALS SHALL RECEIVE APPROVAL FROM THE ENGINEER. MANUFACTURER'S SPECIFICATIONS SHALL BE FOLLOWED FOR THE INSTALLATION OF COMMERCIAL FLANGWAY MATERIALS. THE CONTRACTOR SHALL INSTALL THE ELASTOMERIC INTERFACE RAIL SEAL CONNECTED BY AN INTERCLAMP DEVICE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THESE DETAILS DO NOT ILLUSTRATE THE INTERCLAMP DEVICES. ANY DAMAGE TO THE NEW ELASTOMERIC INTERFACE RESULTING FROM THE CONTRACTOR'S INSTALLATION METHODS SHALL BE REPLACED AT THE CONTRACTOR'S SOLE EXPENSE AT NO ADDITIONAL COST TO THE STATE AS DIRECTED BY THE ENGINEER. THE COST OF FURNISHING AND INSTALLING THE ELASTOMERIC INTERFACE AND ATTACHMENT HARDWARE WILL BE CONSIDERED INCIDENTAL TO ITEM 900.645 SPECIAL PROVISION (PRECAST CONCRETE PANEL GRADE CROSSING SURFACE) (AARDOT 247-723Y).
3. THE COST OF PAVING THE TWO LIFTS OF TYPE IIS BASE COURSE AT THE RAIL APPROACHES WILL BE PAID FOR UNDER ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 70-28)(SBS POLYMER).
4. A MINIMUM OF 15 DAYS PRIOR TO BEGINNING WORK ON THIS RAIL CROSSING THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH NEW ENGLAND CENTRAL RAILROAD. THE CONTRACTOR SHALL HAVE THE TRACK BACK IN SERVICE AT THE END OF EACH WORK PERIOD. THE COST FOR COORDINATION WITH NEW ENGLAND CENTRAL RAILROAD WILL BE CONSIDERED INCIDENTAL TO ITEM 900.650 SPECIAL PROVISION (MAINTENANCE OF RAILROAD TRAFFIC) (N.A.B.J.).

THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE OF THE CROSSING WORK ACTIVITIES TO THE ENGINEER AND NEW ENGLAND CENTRAL RAILROAD FOR REVIEW AND APPROVAL. IT IS ANTICIPATED THAT DISRUPTIONS TO RAIL TRAFFIC SHALL BE MINIMIZED AND THAT THE WORK ASSOCIATED WITH THE RECONSTRUCTION OF THE GRADE CROSSING WILL BE COMPLETED WITHIN FIVE CONSECUTIVE WORKDAY PERIODS. THESE CROSSING WORK ACTIVITIES, THE COORDINATION, REVIEW AND APPROVAL PROCESS INVOLVING VAOT AND NEW ENGLAND CENTRAL RAILROAD, AND THE RECONSTRUCTION OF THE GRADE CROSSING WITHIN FIVE CONSECUTIVE WORK PERIODS SHALL BE INCLUDED IN WORK ACTIVITIES SUMMARIZED UNDER THE SCHEDULING OF THE CONTRACT WORK ITEM 900.620 SPECIAL PROVISION (CPM SCHEDULE).

5. TIE PLATES SHALL BE MINIMUM 14" L x 7 3/4" W NEW OR FIT DOUBLE SHOULDERED TO FIT THE BASE OF THE RAIL ON WHICH THEY WILL BE USED. EACH TIE PLATE SHALL HAVE AT LEAST 6 HOLES PUNCHED FOR THE USE OF 5/8" TRACK SPIKES. FOUR OF THE HOLES SHALL BE SUCH THAT THEY ALLOW TWO RAIL HOLDING SPIKES ON EACH SIDE OF THE RAIL AND THERE SHALL ALSO BE AT LEAST TWO HOLES FOR PLATE HOLDING SPIKES. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL NEW TIE PLATES, SPIKES AND RAIL ANCHORS AND WILL BE PAID UNDER THE APPROPRIATE CROSS TIE ITEM 900.620 SPECIAL PROVISION (REMOVAL AND REPLACEMENT OF CROSS TIES).
6. THE CONTRACTOR SHALL INSTALL A TIE PLATE ANYWHERE A TIE PLATE IS MISSING, CRACKED, OR BROKEN AT LOCATIONS WHERE THE EXISTING RAIL IS TO REMAIN AND A WOOD CROSS TIE IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL USE THE EXISTING TIE PLATES THAT WERE REMOVED FROM THE LOCATIONS NEW IISRE CWR IS TO BE INSTALLED AS DIRECTED BY THE ENGINEER. THE COST FOR THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE ITEM 900.620 SPECIAL PROVISION (REMOVAL AND REPLACEMENT OF CROSS TIES).
7. THE CONTRACTOR SHALL PROVIDE NEW IISRE CWR THROUGH THE CONCRETE GRADE CROSSING AS SPECIFIED IN THE PLANS. RAIL WEIGHTS SHALL BE VERIFIED BY NEW ENGLAND CENTRAL RAILROAD AND APPROVED BY THE ENGINEER. ALL RAIL WILL BE PAID FOR UNDER THE CONTINUOUS WELDED RAIL ITEM 900.640 SPECIAL PROVISION (CONTINUOUS WELDED RAIL).
8. ALL WELDED JOINTS SHALL BE CROPPED AND WELDED IN ACCORDANCE WITH THE LATEST REVISION OF A.R.E.M.A. SPECIFICATIONS AT AN OFF-SITE ELECTRIC WELDING PLANT. WELDING CAN BE DONE IN FIELD UTILIZING THERMITE WELDING WITH ADVANCE APPROVAL FROM VAOT AND NEW ENGLAND CENTRAL RAILROAD. WELDED JOINTS SHALL BE GROUND TO CONFORM TO THE SHAPE OF THE RAIL ON GAUGE AND FIELD SIDES. ALL WELDS WILL BE CONSIDERED INCIDENTAL TO ITEM 900.640 SPECIAL PROVISION (CONTINUOUS WELDED RAIL).
9. EXCAVATION SHALL CONSIST OF THE EXCAVATION AND DISPOSAL FROM THE WORK SITE OF ALL MATERIALS OF ANY DESCRIPTION ENCOUNTERED IN THE COURSE OF CONSTRUCTION AND WILL BE CONSIDERED FOR UNDER ITEM 203.17 UNCLASSIFIED EXCAVATION.
10. THE CONTRACTOR SHALL INSTALL GEOTEXTILE UNDER THE RAILROAD BALLAST WITHIN THE LIMITS OF THE PRECAST CONCRETE PANEL GRADE CROSSING AS SHOWN IN THE PLANS PER SECTION 649 AS DIRECTED BY THE ENGINEER AND WILL BE PAID FOR UNDER ITEM 649.21 GEOTEXTILE UNDER RAILROAD BALLAST.

11. THE CONTRACTOR SHALL RAISE, ALIGN AND SURFACE THE TRACK PER ITEM 900.640 SPECIAL PROVISION (RAISE, ALIGN, AND SURFACE TRACK). SURFACING IS TO FINAL GRADE. MULTIPLE PASSES WILL BE CONSIDERED INCIDENTAL TO ITEM 900.640 SPECIAL PROVISION (RAISE, ALIGN, AND SURFACE TRACK).
12. TRACK SURFACING AND BALLAST REGULATING IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE COORDINATED WITH NEW ENGLAND CENTRAL RAILROAD PRIOR TO COMMENCING WORK. PAYMENT WILL BE MADE UNDER ITEM 900.640 SPECIAL PROVISION (RAISE, ALIGN, AND SURFACE TRACK). BALLAST MATERIAL USED DURING THE TRACK SURFACING OPERATION WILL BE PAID FOR UNDER ITEM 900.680 SPECIAL PROVISION (RAILROAD BALLAST).
13. BALLAST MATERIAL SUPPLIED SHALL BE APPROVED BY NEW ENGLAND CENTRAL RAILROAD AND THE ENGINEER PRIOR TO ITS ACCEPTANCE. BALLAST SURFACING AND BALLAST BASE COURSE TO BE PAID FOR UNDER ITEM 900.680 SPECIAL PROVISION (RAILROAD BALLAST). THE ENGINEER AND NEW ENGLAND CENTRAL RAILROAD RESERVE THE RIGHT TO SAMPLE AND TEST THE STONE BALLAST UP TO AND INCLUDING THE POINT OF USE.
14. THE CONTRACTOR SHALL GRADE THE FINAL PAVEMENT SURFACE TO MATCH INTO THE VT. ROUTE 15 AND WEST STREET EXTENSION ROAD ELEVATIONS AS DIRECTED BY THE ENGINEER.
15. THE CONTRACTOR SHALL INSTALL UNDERDRAIN AND UNDERDRAIN CARRIER PIPE AS SHOWN IN THE PLANS ON SHEET I67 AND AS DIRECTED BY THE ENGINEER. UNDERDRAIN WILL BE PAID FOR UNDER ITEM 605.21 8 INCH UNDERDRAIN PIPE AND UNDERDRAIN CARRIER PIPE UNDER ITEM 605.21 8 INCH UNDERDRAIN CARRIER PIPE.
16. TWO SIGNAL CONDUITS SHALL BE INSTALLED UNDER THIS PROJECT AS SPARE CONDUIT FOR FUTURE USE. THE CONDUIT SHALL BE FOUR INCH DIAMETER RIGID GALVANIZED STEEL AND SHALL EXTEND A MINIMUM OF 20 FEET BEYOND THE EDGE OF THE CROSSING ON EACH END. CONDUIT ENDS SHALL BE SEALED IN ACCORDANCE WITH THE REQUIREMENTS OF THE A.R.E.M.A. SIGNAL MANUAL AND WILL BE PAID FOR UNDER ITEM 678.21 ELECTRICAL CONDUIT (4") (PCGSRM).
17. THE COST FOR PROVIDING VEHICULAR TRAFFIC CONTROL DURING CONSTRUCTION OF THE RAIL HIGHWAY CROSSING WILL BE PAID UNDER ITEM 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, RAIL-HIGHWAY CROSSING) (AARDOT 247-723Y).

AARDOT 247-723Y GRADE CROSSING QUANTITIES			
ITEM NO.	RAILROAD BID ITEMS	UNIT	QTY
203.17	UNCLASSIFIED EXCAVATION	CY	150
204.20	TRENCH EXCAVATION OF EARTH	CY	20
490.30	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 70-28)(SBS POLYMER)	TON	40
514.10	WATER REPELLENT, SILANE	GAL	5
605.11	8 INCH UNDERDRAIN PIPE	LF	140
605.21	8 INCH UNDERDRAIN CARRIER PIPE	LF	60
649.21	GEOTEXTILE UNDER RAILROAD BALLAST	SY	575
678.21	ELECTRICAL CONDUIT (4") (PCGSRM)	LF	200
900.620	SPECIAL PROVISION (BONDED INSULATED JOINTS)	EA	4
900.620	SPECIAL PROVISION (COMPROMISE JOINTS)	EA	2
900.620	SPECIAL PROVISION (REMOVAL AND REPLACEMENT OF CROSS TIES) (9'-0" TIES)	EA	260
900.620	SPECIAL PROVISION (REMOVAL AND REPLACEMENT OF CROSS TIES) (10'-0" TIES)	EA	51
900.640	SPECIAL PROVISION (BAND JOINT @ PRECAST CONCRETE RAILROAD CROSSING)	LF	60
900.640	SPECIAL PROVISION (CONTINUOUS WELDED RAIL)	LF	880
900.640	SPECIAL PROVISION (RAISE, ALIGN, AND SURFACE TRACK)	LF	600
900.645	SPECIAL PROVISION (PRECAST CONCRETE PANEL GRADE CROSSING SURFACE) (AARDOT 247-723Y)	LS	1
900.645	SPECIAL PROVISION (TRAFFIC CONTROL, RAIL-HIGHWAY CROSSING) (AARDOT 247-723Y)	LS	1
900.650	SPECIAL PROVISION (MAINTENANCE OF RAILROAD TRAFFIC) (N.A.B.J.)	LU	1
900.680	SPECIAL PROVISION (RAILROAD BALLAST)	TON	275

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RAILROAD GENERAL NOTES

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